

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) A liquid composition for cleaning a hydrophobic substrate ~~which is used for cleaning a substrate having~~ comprising a surface area on which a water droplet exhibits a contact angle of 60° or more, comprising

a content of a phosphonic acid chelating agent having at least two phosphonic groups in one molecule and a content of a polyoxyalkylene alkyl ether of nonionic surfactant,

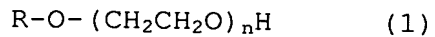
wherein the total content of the phosphonic acid chelating agent and the nonionic surfactant is sufficient such that a droplet of the liquid composition or a dilute aqueous solution thereof exhibits a contact angle of 50° or less to the surface area.

2. (original) The liquid composition for cleaning a hydrophobic substrate as claimed in Claim 1 wherein the surface area is a low dielectric-constant film having a dielectric-constant of 4 or less.

3. (currently amended) The liquid composition for cleaning a hydrophobic substrate as claimed in Claim 1 wherein the content of said nonionic surfactant is sufficient such that a droplet of an aqueous solution prepared by dissolving the

nonionic surfactant at the sufficient content in water exhibits a contact angle of 50° or less to the surface area.

4. (original) The liquid composition for cleaning a hydrophobic substrate as claimed in Claim 1 wherein the nonionic surfactant is represented by general formula (1):



wherein R represents alkyl group having 8 to 22 carbon atoms and n represents an integer of 1 to 30.

5. (original) The liquid composition for cleaning a hydrophobic substrate as claimed in Claim 1 wherein the phosphonic acid chelating agent is one or two or more selected from the group consisting of 1-hydroxyethylidene-1,1-diphosphonic acid, ethylenediamine tetramethylenephosphonic acid, aminotrimethylenephosphonic acid and their salts.

6. (original) The liquid composition for cleaning a hydrophobic substrate as claimed in Claim 1 wherein pH is within the range of 2 to 6.

7. (original) A process for cleaning a substrate having a surface area where a water droplet exhibits a contact angle of 60° or more, comprising the steps of preparing the liquid composition as claimed in Claim 1 and removing adherent materials on the substrate surface while feeding the liquid composition or a dilute aqueous solution thereof to the substrate surface.

8. (original) The cleaning process as claimed in Claim 7 wherein the substrate surface is scrubbed with a brush while feeding the liquid composition or a dilute aqueous solution thereof to the substrate surface.

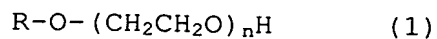
9. (original) The cleaning process as claimed in Claim 7 wherein the adhesive materials to be removed are particles and metallic contaminants.

10. (currently amended) A liquid composition for cleaning a hydrophobic substrate ~~which is used for cleaning a substrate having~~ comprising a surface area on which a water droplet exhibits a contact angle of 60° or more, comprising

a content of a phosphonic acid chelating agent having at least two phosphonic groups in one molecule and a content of a polyoxyalkylene alkyl ether of nonionic surfactant, and

wherein the content of the polyoxyalkylene alkyl ether of nonionic surfactant is sufficient that a droplet of an aqueous solution prepared by dissolving an equal content of the polyoxyalkylene alkyl ether of nonionic surfactant in water exhibits a contact angle of 50° or less to a surface in which a water droplet exhibits a contact angle of 60° or more.

11. (previously presented) The liquid composition for cleaning a hydrophobic substrate as claimed in claim 10, wherein the nonionic surfactant is represented by general formula (1):



where R represents alkyl group having 8 to 22 carbon atoms and n represents an integer of 1 to 30.

12. (previously presented) The liquid composition for cleaning a hydrophobic substrate as claimed in claim 10, wherein the phosphonic acid chelating agent is one or two or more selected from the group consisting of 1-hydroxyethylidene-1, 1-diphosphonic acid, ethylenediamine tetramethylenephosphonic acid, aminotrimethylenephosphonic acid and their salts.

13. (previously presented) The liquid composition for cleaning a hydrophobic substrate as claimed in claim 10, wherein pH is within the range of 2 to 6.

14. (previously presented) The liquid composition for cleaning a hydrophobic substrate as claimed in claim 10, wherein the content of the polyoxyalkylene alkyl ether of nonionic surfactant in the aqueous solution is 0.01 to 1 wt%.

15. (previously presented) The liquid composition for cleaning a hydrophobic substrate as claimed in claim 10, wherein a droplet of an aqueous solution prepared by dissolving the polyoxyalkylene alkyl ether of nonionic surfactant in water exhibits a contact angle of 40° or less to a surface where a water droplet exhibits a contact angle of 60° or more.

16. (previously presented) The liquid composition for cleaning a hydrophobic substrate as claimed in claim 14, wherein a droplet of the liquid composition or a dilute aqueous solution

thereof exhibits a contact angle of 40° or less to a surface where a water droplet exhibits a contact angle of 60° or more.

17. (previously presented) The liquid composition for cleaning a hydrophobic substrate as claimed in claim 16, wherein the total content of the phosphonic acid chelating agent and the polyoxyalkylene alkyl ether of nonionic surfactant in the liquid composition is 0.01 to 1 wt%.

18. (previously presented) The liquid composition for cleaning a hydrophobic substrate as claimed in claim 12, wherein a droplet of the liquid composition or a dilute aqueous solution thereof exhibits a contact angle of 40° or less to a surface where a water droplet exhibits a contact angle of 60° or more.

19. (currently amended) A liquid composition for cleaning a hydrophobic substrate ~~which is used for cleaning a substrate having~~ comprising a surface area on which a water droplet exhibits a contact angle of 60° or more, comprising

a content of a phosphonic acid chelating agent is one or two or more selected from the group consisting of 1-hydroxyethylidene-1, 1-diphosphonic acid, ethylenediamine tetramethylenephosphonic acid, aminotrimethylenephosphonic acid and their salts and a content of a polyoxyalkylene alkyl ether of nonionic surfactant, wherein the total content of the phosphonic acid chelating agent and the polyoxyalkylene alkyl ether of nonionic surfactant in the liquid composition is 0.01 to 1 wt%; and

wherein the content of the polyoxyalkylene alkyl ether of nonionic surfactant is sufficient that a droplet of an aqueous solution prepared by dissolving an equal content of the polyoxyalkylene alkyl ether of nonionic surfactant in water exhibits a contact angle of 50° or less to a surface in which a water droplet exhibits a contact angle of 60° or more.